POTTERTON

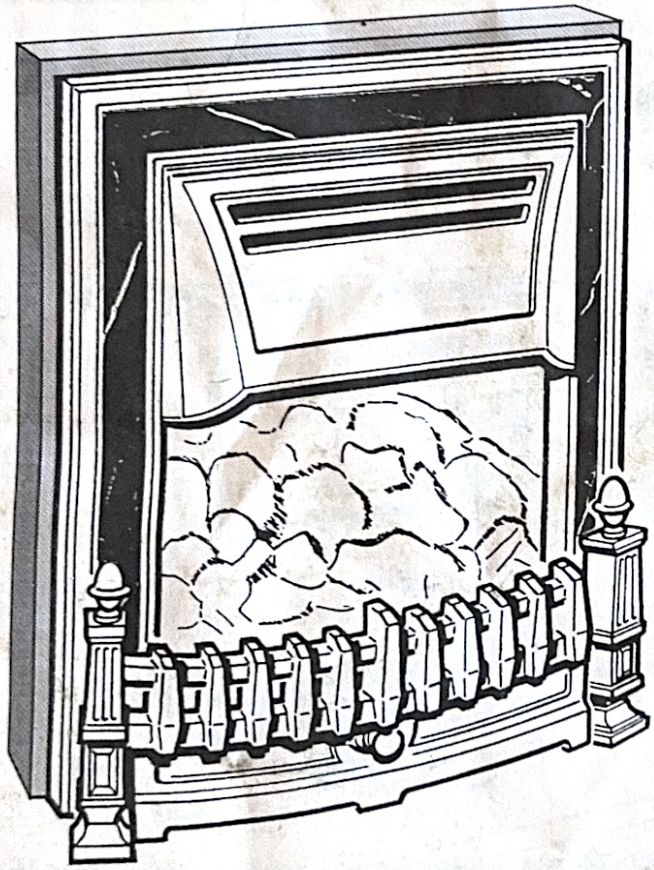
Part No. 966/9350/2 - 01

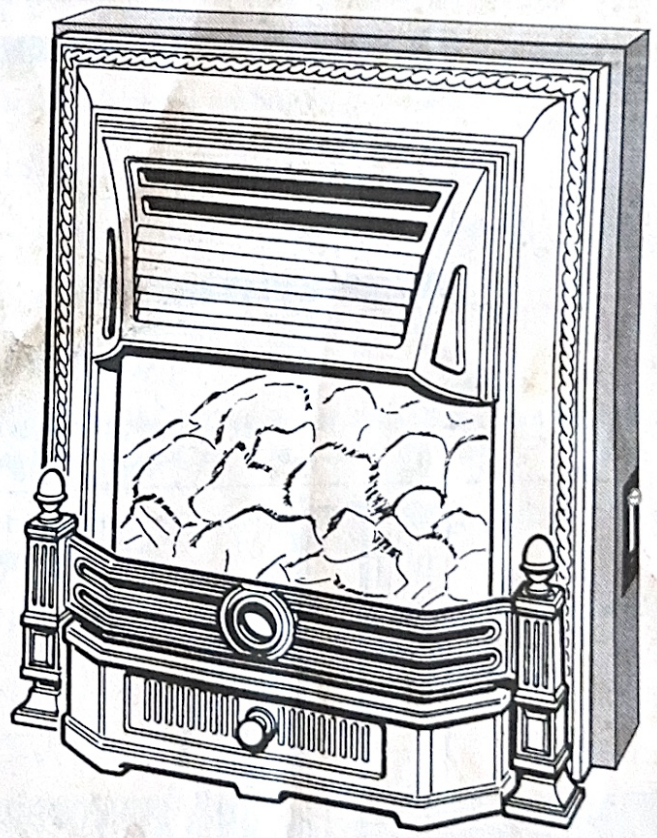
Potterton Housewarmer Illusion - G.C. NO. 37 590 16
966 Inset DGF with ILLUSION FACIA
Potterton Housewarmer Stratton - G.C. NO. 37 590 17
966 Inset DGF with STRATTON FACIA

Instructions for Use

Inset Decorative Gas Fire for use with the Potterton Housewarmer 45 & 55 BBu's Only

ILLUSION





IS4500 1A

Stratton

THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS 1984 (AS AMENDED).

" In your own interest, and that of safety, it is law that all gas appliances are installed by competent persons, in accordance with the above regulations. Failure to install appliances correctly could lead to prosecution."

LEAVE THESE INSTRUCTIONS WITH THE USER

FOR USE WITH NATURAL GAS

IMPORTANT
PLEASE READ THIS BOOK BEFORE INSTALLING, OPERATING OR SERVICING THIS APPLIANCE.

Introduction

The 966 is an inset decorative gas fire, the decorative effect is created by the use of ceramic coals mounted on a ceramic bed that glows red when heated by the burner. The fire is designed to be both decorative and capable of supplying radiant and some convected heat.

When fitted with the Illusion or Stratton facia, they are only suitable for use with the Potterton Housewarmer 45 & 55 Back Boilers that will provide you with Central Heating and Stored Hot Water. These instructions explain how to light, operate and turn off the boiler and fire.

Due to the newness of the components, an odour will be noticable when the fire is first lit after installation. This is quite normal and will disappear after a few hours use. After a time, the sides and back of the convector box, the ceramic coals and coal bed may start to discolour. This is quite normal and will enhance the appearance of the fire.

If you have any problems or questions concerning this appliance, please contact the **Potterton Myson Technical Help Line - Telephone (0926) 410044.**

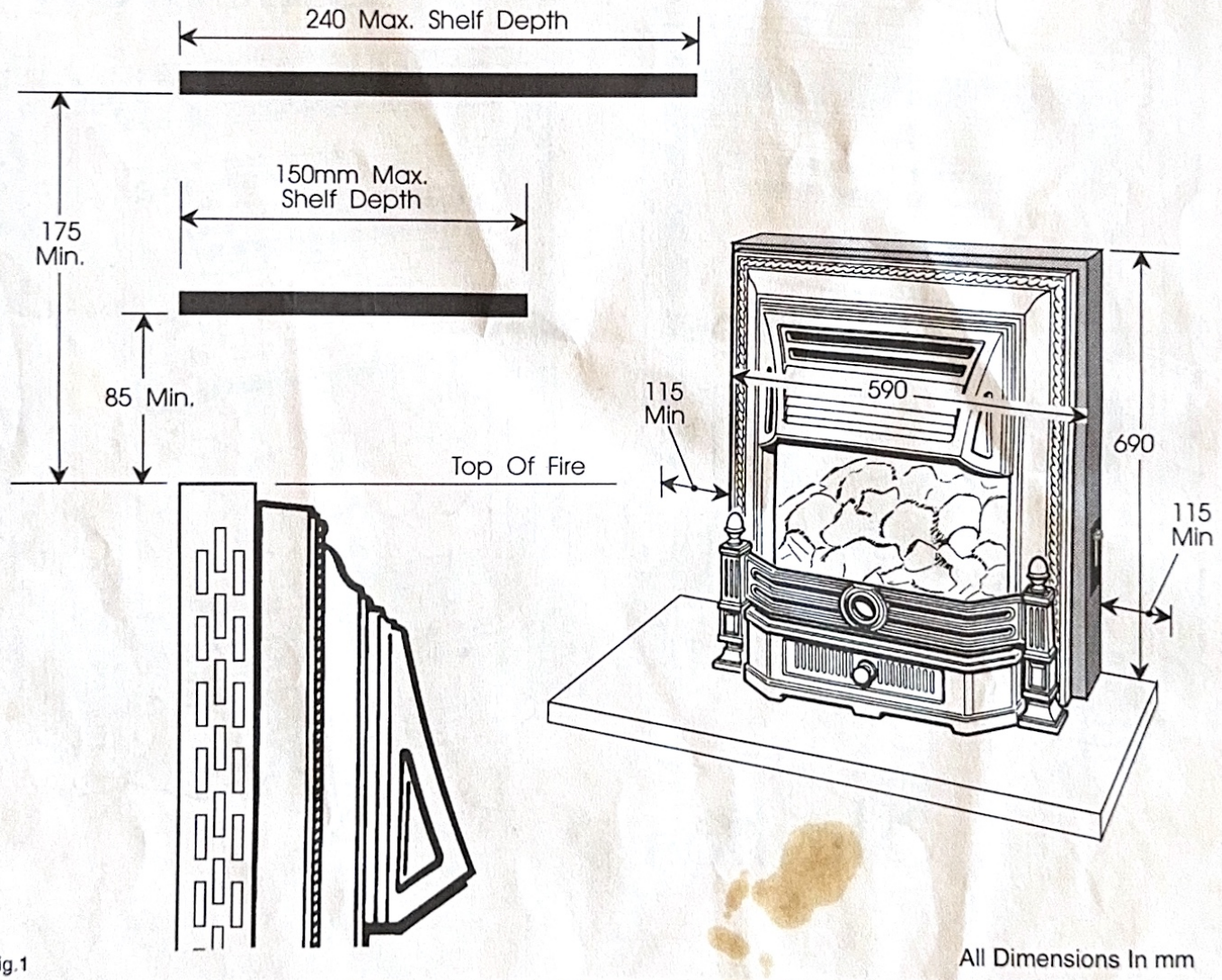


Fig.1

All Dimensions In mm

Clearances and Shelves

There must be minimum clearance of 115mm at both left and right hand sides of the fire.

A combustible or non-combustible shelf can be fitted above the fire provided it complies with the following guidelines:

i. Any shelf up to 150mm in depth must be a minimum of 85mm above the top of the fire.
ii. Generally for every 10mm increase in shelf depth the shelf height above the top of the fire must increase by 10mm.
iii. Any shelf 240mm in depth must be a minimum of 175mm above the top of the fire.

Important Notes

Please take time to read through these instructions to familiarise yourself with the fire.

THIS FIRE IS FOR USE ON NATURAL GAS ONLY AND CANNOT BE USED ON ANY OTHER GAS.

Installation must be in accordance with the Installation and Service Instructions.

If the chimney has at any time been used for solid fuel, it MUST be brush swept before the fire is installed.

This fire has a naked flame. Protection against injury from burns can be provided by fitting a fireguard which complies with the requirements of BS 6539: Fireguards for use with Solid Fuel Appliances.

Heating appliances can get very hot when in use so the young, infirm or elderly should be carefully supervised when in the same room as the fire.

For your own safety, ONLY USE the ceramic pieces supplied with this fire. To replace broken or damaged ceramic pieces refer to the instruction sheet titled "Fitting the Firebed Components" supplied in the ceramic packs. DO NOT try to use ceramic pieces from any other fire.

The fire MUST NOT be used if any of the ceramic coals or ceramic pieces are broken or missing.

NEVER allow any rubbish to be thrown onto the ceramic coals & 'coal bed'.

The hearth below and in front of the fire must NEVER be covered with combustible flooring or materials.

Clothes etc, must NEVER cover the convection air outlet at the top of the fire.

Always ensure the fire is cold before touching any parts other than the controls.

Certain types of wallcoverings e.g. Blown Vinyl, are easily affected by heat. They may shrink and discolour when close to a heating appliance. Please bear this in mind when installing the appliance or redecorating the room.

Because of the way hot air circulates naturally convected heat from the fire, dust particles or tobacco smoke in the air will draw towards the wallcovering around the fire and may discolour it.

Electrical Supply. Connections should be made to a 240V ~ 50HZ supply. The boiler MUST be protected by a 3A fuse. **WARNING: THIS BOILER MUST BE EARTHED.**

Technical Data & Running Costs

Heat *Input* on Setting:-

' LO '	2.8kW (9,554Btu/h).
' HI '	5.4kW (18,425Btu/h).

Heat Output on Setting:-

' LO '	0.7kW (2,390Btu/h).
' HI '	1.5kW (5,160Btu/h).

Running Costs:

To work out the approximate running costs for this fire, perform the following calculation:-

Heat Input in kW x Cost Per kWh = Running Cost Per Hour

Heat inputs for the various settings are shown opposite.

Costs per kWh can be obtained from your gas bill or local gas region.

General System Information

You may use the fire and boiler together, or either on its own, at any time you wish. The boiler is situated behind the fire and, when in use, you may hear the main burner light up as it is automatically controlled.

The fire is lit by a spark igniter which is operated by the fire control knob. It does not require batteries or connecting to the electricity supply. In the event of a cut in the electricity supply, the boiler will not operate but the fire may be used as normal.

When choosing your operating times for the boiler you might find it useful to remember these points:

a. Central heating takes some time, from ½ hour to an hour, to become effective. It is advised that the boiler is switched on 1 hour in advance. Its effectiveness remains for some time, e.g. ½ hour to an hour, after shut down.

b. A similar time should be allowed if the hot water cylinder is cold. But when you switch the boiler off, a cylinder full of hot water will stay hot for a long time if the cylinder is well insulated.

Boiler control: For central heating and hot water in the coldest weather set the slider control to 'Hi'. This may be reduced to approximately half way in milder weather. For hot water only, e.g. in summer, set the slider control to 'Lo'.

Room thermostat: If fitted, set this control to the required room temperature. Note that the setting of the boiler thermostat will still determine the temperature of the domestic hot water supply.

Summer use: To turn off the central heating only, e.g. in summer, switch the programmer (if fitted) to hot water only or turn the room thermostat (if fitted) to off or to the lowest setting. Reduce the setting of the boiler slider control, as described previously, to give the required domestic hot water temperature.

Frost precautions: In severely cold weather the boiler may be damaged by frost: it should be kept in operation continuously with the boiler slider control set at 'Lo' overnight or if the house is unoccupied. If a programmer is fitted, it should be set to continuous. This will also serve to protect the circulating water pipes and radiators. Pipes and tanks in the loft space must be insulated. Alternatively if the house is to be unoccupied for any length of time during severe weather, the whole system including the boiler should be drained to avoid the risk of freezing up. If in doubt consult your installer.

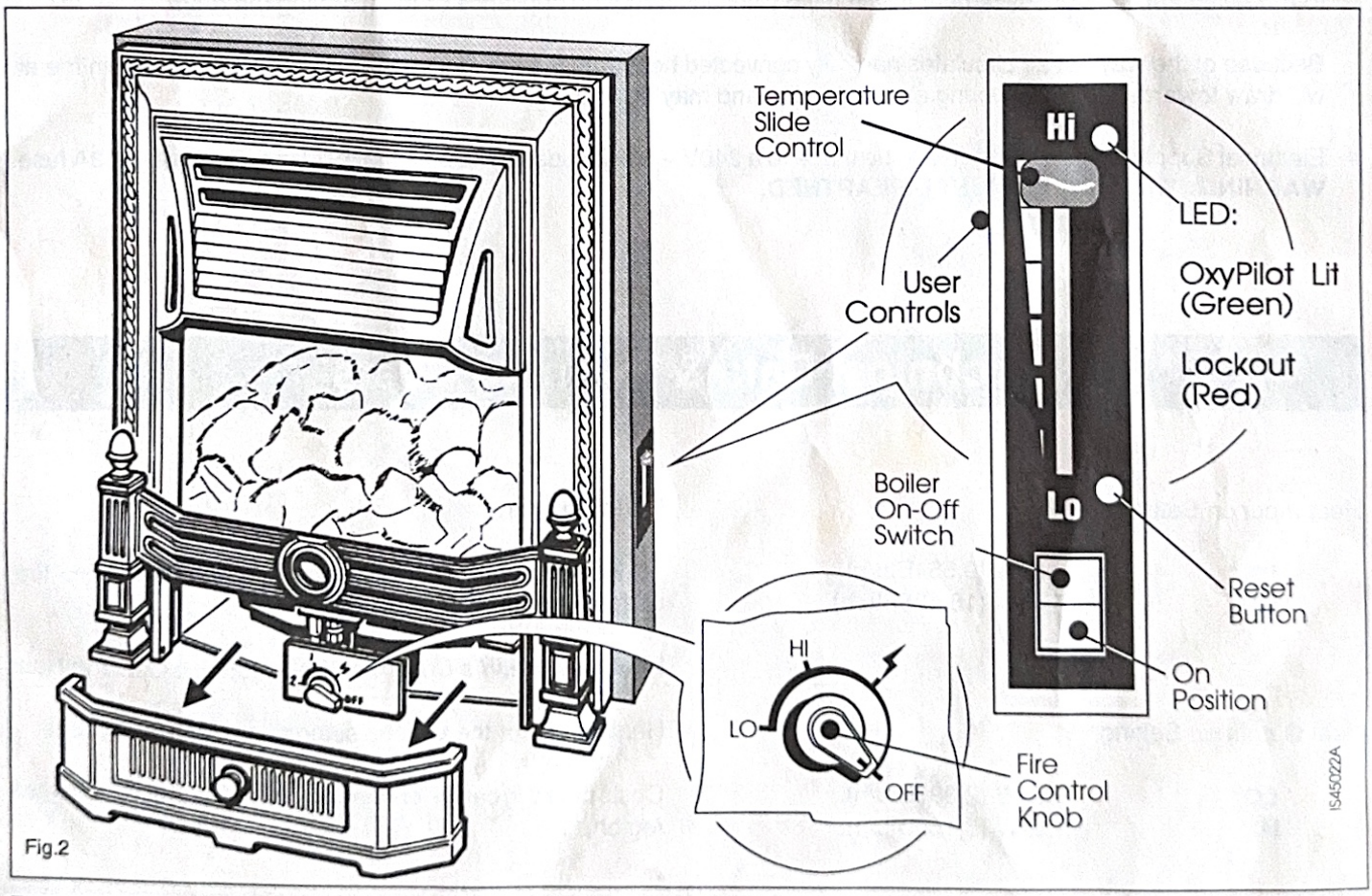


Fig.2

Read Through Before Lighting

This back boiler is fitted with an OxyPilot device that will shut down the boiler if the flue/chimney fails to operate correctly, e.g. blocked flue. If the boiler shuts down frequently for no apparent reason then the flue/chimney MUST BE inspected and corrective action taken. Call you local Gas Region or C.O.R.G.I. Registered Installer.

To Light the Boiler

a) Ensure that the boiler switch is set to Off and that the electricity, gas and water supplies are turned On.
b) Set the slider control to 'Hi'.
Set any external time controls to an 'On' position.
Turn the room thermostat, if fitted, to a high setting.
c) Set the boiler switch to On.
The boiler will go through the automatic ignition sequence and the burner will light. The neon indicator on the panel with glow green.

If the burner has not lit within about 60 seconds the automatic ignition sequence ceases, the boiler goes into lockout and the neon indicator glows red. To reset the boiler, press the reset button once and the boiler will go through the automatic ignition sequence. If the ignition continually fails and the instructions given in a), b) and c) above have been carried out, call your local Gas Region or C.O.R.G.I. Registered Installer.

d) When the burner has lit set the slider control to the required position.
e) If a programmer is fitted, set the clock and selector switches.
Turn the room thermostat, if fitted, to the desired setting.

Note: If the electricity supply is cut off for any reason, the boiler will light automatically when it is restored. If the gas supply is ever cut off the boiler will go to lockout, press the reset button and the boiler will re-light.

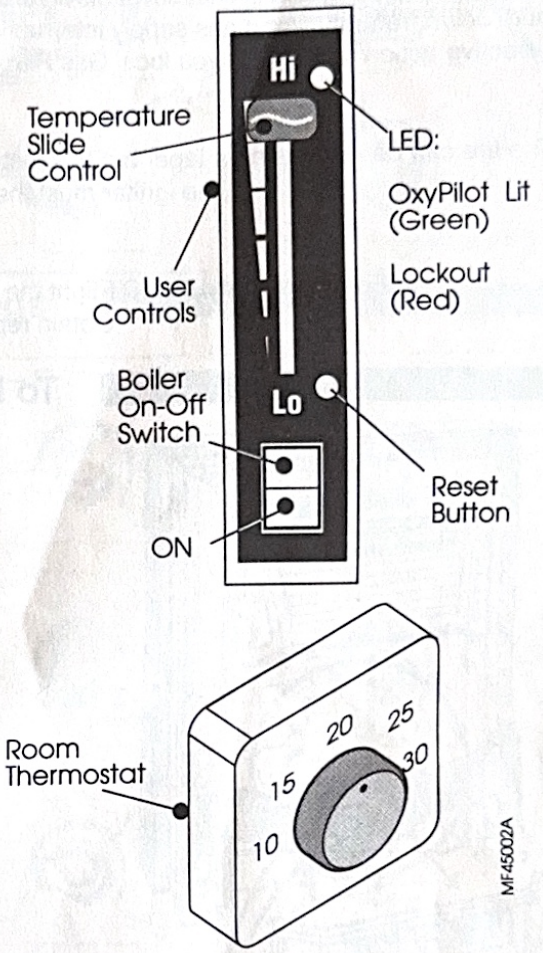


Fig.3

To Turn Off the Boiler

For short periods - Set the boiler switch and room thermostat, if fitted, to OFF, or switch off at the programmer, if fitted.
To re-start, return the controls to the required settings.

For long periods - Set the boiler switch to OFF.
Switch off the electricity supply to the boiler. The electricity, gas and water supplies may be turned off at the mains, if desired.
To re-light, follow the full lighting instructions under "To light the boiler".

Note: If a time switch or programmer is fitted, ensure that the clock is set at the correct time when the electricity supply is restored.

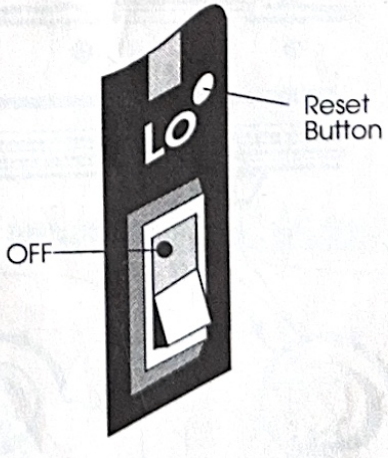


Fig.4

Read Through Before Lighting or Operating

The plinth will have to be carefully lifted or slid away from the fire to gain access to the control knob.

This fire is equipped with a piezo spark igniter which automatically lights the pilot when the control knob is turned, batteries or electricity are not required. The fire is also fitted with the following two safety devices:-

a) A Flame Supervision Device that will shut down the fire if the gas supply is interrupted, the gas supply to the fire will remain off until the fire is re-lit. Wait 2 minutes before re-lighting the fire.
b) An OxyPilot device that will shut down the fire if the flue/chimney fails to operate correctly, e.g. blocked flue. If the fire shuts down frequently and gas supply interruption is not the cause then the flue/chimney MUST BE inspected and corrective action taken. Call you local Gas Region or C.O.R.G.I. Registered Installer.

IMPORTANT

The fire can be lit by using a taper but this method must ONLY be used if the piezo spark igniter fails to work. The igniter must then be replaced as soon as possible.

WARNING

For your safety do NOT light the fire if any of the ceramics are broken or missing. Obtain replacements straight away.

To Light the Pilot

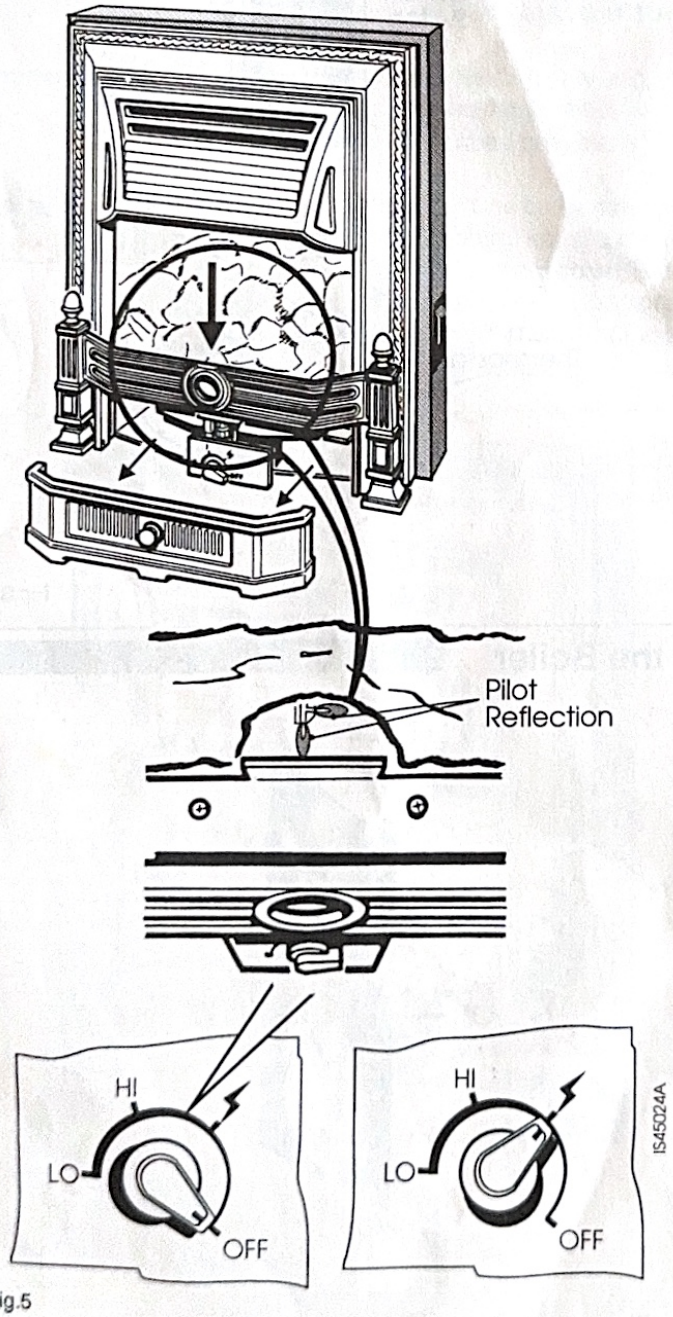


Fig.5

Read through before lighting.

The fire is fitted with a pilot light that must be lit before any of the other settings can be obtained.

If lighting for the first time or if the gas has been turned off at the main, it may be necessary to operate the ignition several times for the pilot to light.

a) Push the control knob in and turn slowly anti-clockwise to the ' ⚡ ' (Ignition/pilot) setting. A loud click will be heard as it reaches this setting, this is the ignition unit operating and the pilot should now be lit.

   Keep the control knob pushed in for 10 seconds then release, the pilot should remain alight. Look for the pilot light reflection in the sight mirror - see Fig.5.

b) Turn the knob anti-clockwise to setting ' **HI** ', leave the fire running at this setting for 10 minutes to allow it to warm up.

Note: If the fire does not light, push in and turn the control knob clockwise back to the ' **OFF** ' position and repeat the lighting operation.

If the fire does not remain alight after releasing the control knob, push in and turn back to ' **OFF**', repeat the lighting operation but keep the control knob pushed in a little longer.

If the fire has been in service for sometime and the pilot light will not relight, consult your local British Gas Region or C.O.R.G.I. Registered Installer.

To Light with a Taper

Read through before Lighting. Also read the Important information at the top of the previous page.

a) Insert the lighted taper into the pilot.

b) Push in and turn the control knob anti-clockwise to the '⚡' (ignition/pilot) setting, keep the knob pushed in.

c) The pilot will now ignite, keep the control knob pushed in for 10 seconds then release, the pilot will remain alight.

d) Remove and extinguish the taper.

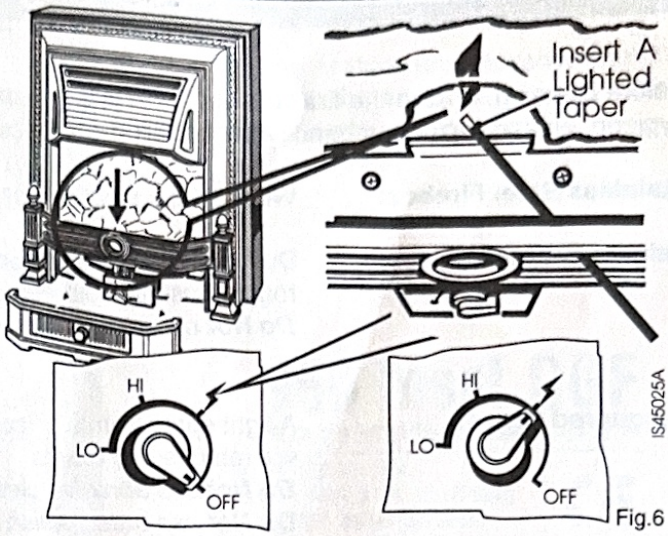


Fig.6

To Alter the Settings

'⚡' to ' HI '
Turn the control knob anti-clockwise from '⚡'.

' HI ' to ' LO '
Push in and turn the control knob anti-clockwise from ' **HI** '.

' LO ' to ' HI '
Turn the control knob clockwise from ' **LO** '.

' HI ' to '⚡'
Push in and turn the control knob clockwise from ' **HI** '.

As this fire is fitted with a pilot the control knob can be left at the '⚡' setting at all times.

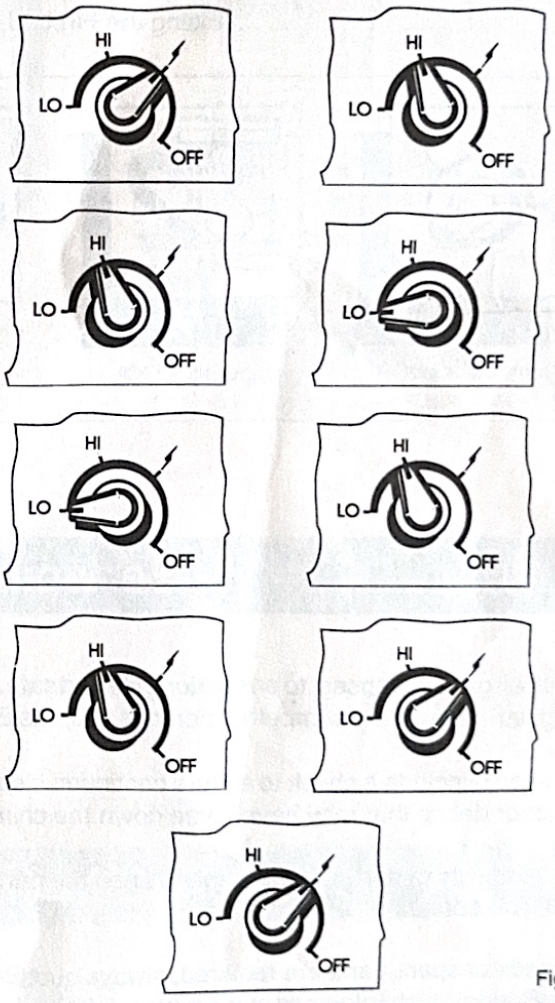


Fig.7

To Turn Off the Fire

Push and turn the control knob clockwise back through the settings to the ' **OFF** ' position.

WARNING: Always wait a minimum of 2 minutes before re-lighting the fire. If it is re-lit within a short time, the heat retained by the ceramic coals and ceramic pieces that make up the 'coal bed' may ignite the burner prematurely.

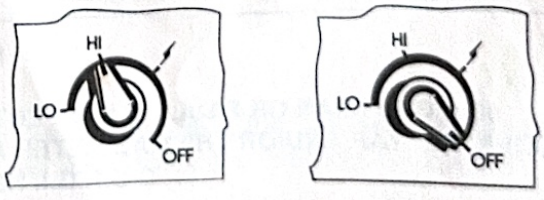


Fig.8

Cleaning Instructions

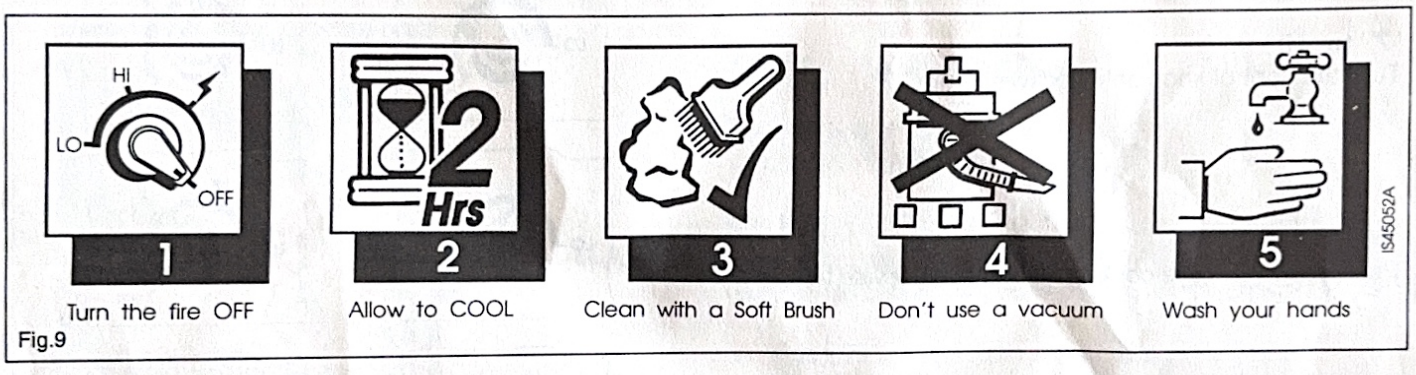
Before cleaning, ensure the fire is turned OFF and has been left to cool for approximately two hours. In the interests of hygiene, please wash your hands after handling ceramics and/or any cleaning agents.

Stainless Steel Firebox: Wipe off any small deposits with a damp cloth.

Painted Surfaces: Dust gently using a soft paint brush or a dry cloth. Because cast iron surfaces are naturally rough, dusting cloths tend to snag and leave fibres on the surface.
***Do Not** use polish on the painted surfaces.*

Lacquered Brass: A light spray from a silicone based polish and a rub over with a dry lint free cloth will remove any marks.
***Do Not** use abrasive cleaners as they will scratch the surfaces.*
***Do Not** use brass polish as it will damage the lacquered finish.*

Ceramic 'Coal Bed' and Coals: For instructions on removal, cleaning and re-fitting refer to the instruction sheet titled "Fitting the Firebed Components" - Part Number 966/9350/3.



Turn the fire OFF | Allow to COOL | Clean with a Soft Brush | Don't use a vacuum | Wash your hands

Fig.9

Servicing & Spare Parts

As with all gas appliances, to ensure long life and safe, trouble free operation, your appliance must be inspected and serviced at regular intervals by competent persons such as British Gas or C.O.R.G.I. Registered Personnel.

This should include a check to ensure continued clearance of combustion products and that there is no excessive build up of soot or debris that may have come down the chimney.

The frequency of servicing will depend upon the particular installation conditions and usage but in general, once per year should be adequate.

If service or spare parts are required, always quote the Appliance Name, Serial Number and G.C. Number shown on the Data Badge which is located at the bottom left hand side of the base of the fire. (The badge will be just visible after removal of the fender, but to save time we recommend that you fill in the copy of the data badge opposite). Also, quote the name of the Facia fitted to your fire (See front cover for identification drawing).

IMPORTANT

IF A GAS LEAK OR FAULT IS SUSPECTED, TURN OFF THE APPLIANCE, THE APPLIANCE ISOLATION TAP AND/OR THE GAS METER AND CONSULT YOUR LOCAL BRITISH GAS REGION OR C.O.R.G.I. REGISTERED INSTALLER.

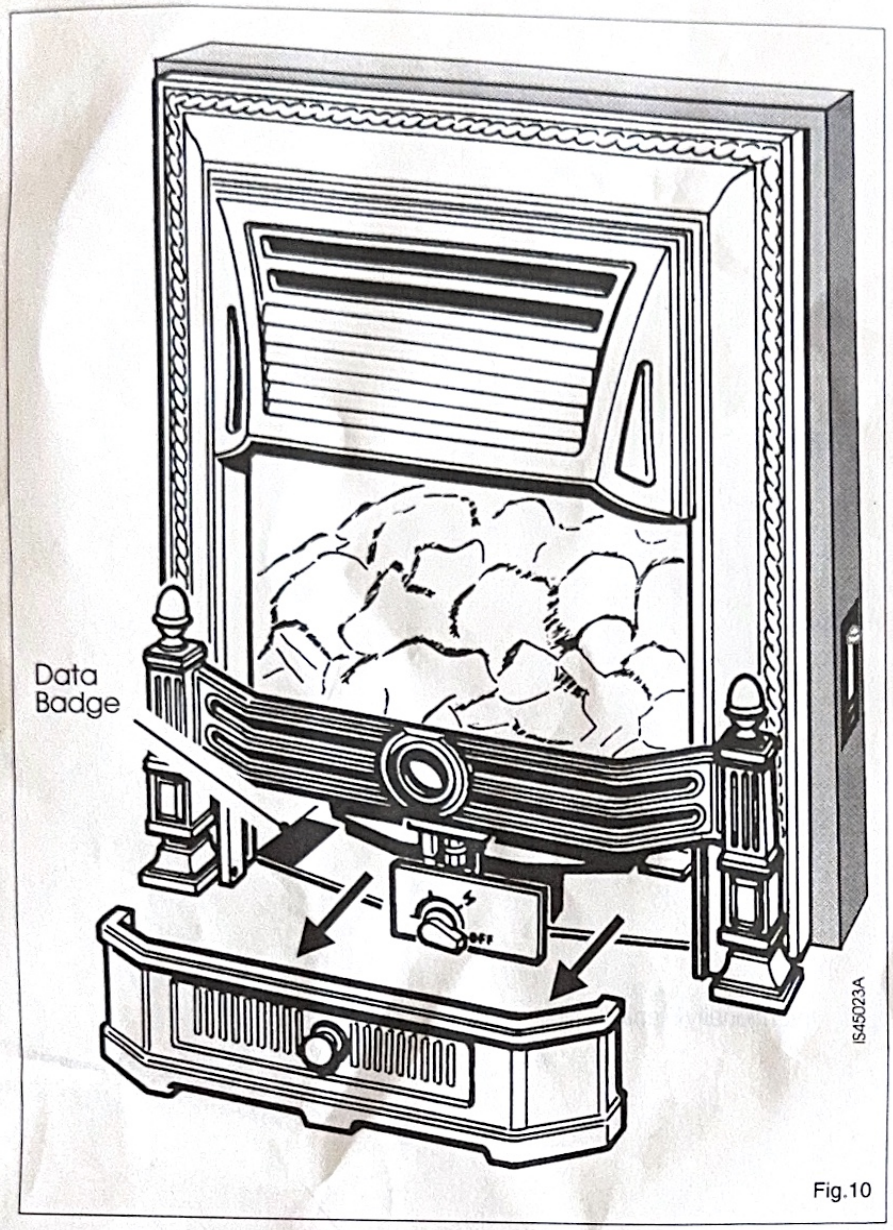


Fig.10

A sample of the data badge is shown below.

For future reference, we recommend you write the serial number of your fire in the space provided.

966 Inset DGF

FOR USE WITH POTTERTON HOUSEWARMER BACK BOILER

966 GAS FIRE DATA
HEAT INPUT 5.4kW (18,425 Btu/h)
INJECTOR - Marked CAT 28/340
SETTING PRESSURE :
COLD 17.3 ± 1.0mbar (6.9± 0.4 in w.g.)

CE 0086/94

BOILER G.C. Nos.
HOUSEWARMER 45 - G.C. No. 44 590 18
HOUSEWARMER 55 - G.C. No. 44 590 19

CAT. I 2H
TYPE B11AS

G.C. No. 37 590 16 WITH ILLUSION FACIA
G.C. No. 37 590 17 WITH STRATTON FACIA

FOR USE WITH NATURAL GAS ONLY

ALFW431 0001

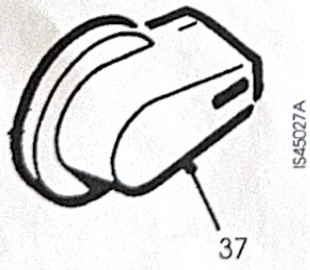
GAS FIRE SER. No. **ALFW431**

THE BOILER INFORMATION IS SHOWN ON THE BOILER DATA BADGE.

MADE IN ENGLAND by POTTERTON MYSON LTD.
WYRE STREET, PADIHAM, LANCS. BB12 8DJ

Write serial number here

Consumer Replacement Parts



Drg. Ref.	G.C. No.	Description	No. Off	Makers Part No.
37	127 022	Control Knob Assembly	1	503/1051

For Part Numbers of the ceramic bricks that make up the 'Coal Bed' and the ceramic coals refer to the instruction sheet titled "Fitting the Firebed Components" - Part Number 966/9350/3

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Sales Enquiries:

Sales Department
Eastern Avenue,
Team Valley Trading Estate,
Gateshead,
Tyne & Wear. NE11 0PG.

Tel: 091 491 4466
Fax: 091 491 7568

Service Enquiries:

Service Department
Brooks House,
Coventry Road,
Warwick.
CV34 4LL.

Tel: 0926 496896
Fax: 0926 410006

Spares Enquiries:

Curzon Components
Earlsway,
Team Valley Trading Estate,
Gateshead,
Tyne & Wear. NE11 0RQ.

Tel: 091 487 9661
Fax: 091 482 0738

Technical Helpline:

Technical Department
Brooks House,
Coventry Road,
Warwick.
CV34 4LL.

Tel: 0926 410044
Fax: 0926 410006

Training Administration:

Unit 5, Titan Business Centre,
Spartan Close,
Tachbrook Park,
Royal Leamington Spar,
Warwickshire, CV34 6RS.

Tel: 0926 430481
Fax: 0926 882971

Made in England by - **Potterton Myson Ltd**

Padiham Operations, Wyre Street, Padiham, Burnley, Lancashire. BB12 8DJ.

POTTERTON MYSON
PART OF BLUE CIRCLE

Registered Office: Myson House, Railway Terrace,
Rugby, Warwickshire. CV21 3JH.
Registered No. 412935

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All goods sold are subject to our official Conditions of Sale, copy of which may be obtained on application.